Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimate for Providing Cement Concrete Roads at Shettyhalligatepalya, in Ward No-12, Shettyhalli Sub Division.

Est .Cost Rs. 18.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for levellng and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2011-12	Cum							
			1	84.00	4.00	0.35	117.60		
			1	63.00	4.00	0.30	75.60		
			1	43.00	4.50	0.30	58.05		
			1	40.00	4.20	0.30	50.40		
	For Metalling		1	163.00	4.50	0.35	256.73		
	Basic Rate	112.00					**558.38**	118.72	**66290.00**
	Area Weightage 6%	6.72							
		118.72							
2	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3 / PWD SR 2011-12	Cum							
	Culvert		4	6.50	2.30	1.20	71.76		
							71.76	142.04	**10193.00**
	Basic Rate	134.00							
	Area Weightage 6%	8.04							
		142.04							
3	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2011-12	Cum							
			1	84.00	4.00	0.15	50.40		
			1	63.00	4.00	0.15	37.80		
			1	43.00	4.50	0.15	29.03		
			1	40.00	4.20	0.15	25.20		

	Culvert		4	6.50	2.10	0.15	8.19		
	Basic Rate	3715.00					**150.62**	3937.90	**593107.00**
	Area Weightage 6%	222.90							
	Total	**3937.90**							
4	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No. 19/ Item No. 4.48.1/ PWD SR 2011-12	Cum							
			1	84.00	4.00	0.10	33.60		
			1	63.00	4.00	0.10	25.20		
			1	43.00	4.50	0.10	19.35		
			1	40.00	4.20	0.10	16.80		
	Basic Rate	4401.00					**94.95**	4665.06	**442947.00**
	Area Weightage 6%	264.06							
	Total	**4665.06**							
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11	Cum							
	For Side Walls		4x2	6.50	(0.75+0.45)/2	0.90	28.08		
	For Culvert Covering		4	6.50	2.00	0.23	11.96		
	Basic Rate	4674.00					**40.04**	4954.44	**198376.00**
	Area Weightage 6%	280.44							
	Total	**4954.44**							

6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-12	Qtls							
	For RCC Wall & Covering at 60 Kg/Cum						**24.02**		
							24.02	6264.60	**150501.00**
	Basic Rate	5910.00							
	Area Weightage 6%	354.60							
	Total	**6264.60**							
7	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9 Page No. 17/ Item No. 4.36/ PWD SR 2011-12	Sqm							
	For Culvert Walls		4x4	6.50		0.90	93.60		
							93.60	544.84	**50997.00**
	Basic Rate	514.00							
	Area Weightage 6%	30.84							
		544.84							
8	KSRRB M2600-3. (II) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per Drawing & Technical Specification. Complete as per Specifications. MORTH Specification no. 2605 Page No. 246/ Item No. 31.3/ PWD SR 2011-12	m							
			14				**14.00**	131.44	**1840**
	Basic Rate	124.00							
	Area Weightage 6%	7.44							
		131.44							
9	KSRRB M400-14.1: Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregates, watering and compacting to the required density Complete as per Specification. A. By manual means. MORTH Specification No. 404 Type A 13.2mm for grading II Page No. 166/ Item No. 20.14.1/ PWD SR 2011-12	Cum							
			1	163.00	4.50	0.15	110.03		

							110.03	1308.96	144018.00
	Basic Rate	1212.00							
	Area Weightage 8%	96.96							
	Total	**1308.96**							
10	KSRRB M400-14.1: Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregates, watering and compacting to the required density Complete as per Specification. A. By manual means. MORTH Specification No. 404 Type B 11.2mm for grading III Page No. 166/ Item No. 20.14.3/ PWD SR 2011-12	Cum							
			1	163.00	4.50	0.075	55.01		
							55.01	1480.68	**81456.00**
	Basic Rate	1371.00							
	Area Weightage 8%	109.68							
	Total	**1480.68**							
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)	Cum							
	Qty Vide Item No=1+2						**630.14**		
	Qty Limited to						**630.14**	94.82	**59752.00**
	(For 10 km = 10 x 1.28 x 2.0)	25.60							
	Loading and Unloading Charges	62.20							
		87.80							
	Area Weightage @ 8%	7.02							
	Total	**94.82**							
12	Miscellaneous and unforseen Charges								**533**
								Total	**1800010**
	(Rupees Eighteen Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2011-12

3 The Provision made in estimate are adequate and essential

4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

Approved by Ward Committee (26/11-12.

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